

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (currently amended): A process for repair coating of vehicle substrates which comprises:

- a) applying a liquid filler layer of a liquid filler coating composition to a metal substrate,
- b) curing the resultant filler layer by irradiation with high energy radiation and
- c) applying a top coat layer to the cured filler layer and curing the top coat layer,

wherein the liquid filler coating composition comprises

- A) at least one free-radically polymerizable binder ~~capable of free-radical polymerization~~ comprising at least one free-radically polymerizable olefinic double bond, said binder having fewer than three of said olefinic double bonds per molecule,
- B) a free-radically polymerizable reactive diluent comprising at least one (meth)acrylic acid ester having an olefinic double bond with, said at least one (meth)acrylic acid ester being formed by reacting (meth)acrylic acid with at least one cycloaliphatic alcohols alcohol, and
- C) at least one compound having at least one phosphoric acid group and containing at least one free-radically polymerizable double bond;

wherein said cured filler layer produces no edge marks when said topcoat layer is applied.

Claim 2 (original): The process according to claim 1, wherein the top coat layer comprises a colored and/or special effect base coat coating composition and a transparent clear coat coating composition applied over the base coat coating composition.

Claim 3 (original): The process according to claim 1, wherein the top coat layer comprises a pigmented one-layer top coat coating composition.

Claim 4 (previously presented): The process according to claim 1, wherein the filler coating composition comprises 10-80 weight-% of component A) and 20-90 weight-% of component B) and wherein the weight percentages of component A) and component B) add up to 100 weight-%.

Claim 5 (original): The process according to claim 1, wherein the filler coating composition comprises 1-15 weight-% of component C), relative to the total quantity of the filler coating composition.

Claim 6 (original): The process according to claim 1, wherein the filler coating composition comprises as component A) at least one binder capable of free-radical polymerization having 1.5 to 2.5 olefinic double bonds per molecule.

Claim 7 (canceled)

Claim 8 (previously presented): The process according to claim 1, wherein the filler coating composition comprises as component B) isobornyl (meth)acrylate.

Claim 9 (previously presented): The process according to claim 1, wherein the filler coating composition comprises as component C) at least one compound having at least one phosphoric acid group and at least one free-radically polymerizable olefinic double bond.

Claim 10 (original): The process according to claim 9, wherein the filler coating composition comprises as component C) at least one (meth)acryloyl-modified phosphoric acid derivative.

Claims 11-12 (canceled)

Claim 13 (previously presented): The process according to claim 1, wherein the metal substrate comprises at least one of an automotive body and an automotive part.